

Samples in vicinity of Seattle Iron and Metals (dry weight).

Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	MH100B	RCB146	RCB147	RCB148	MH240	CB207	MH205	MH224
Lab Ref			NO90	NO90	NO90	NO90	PB20	PB20	OI27	OZ99
Type			Inline	RCB	RCB	RCB	Inline	CB	Inline	Inline
Outfall			S Myrtle St SD	S Garden St SD	S Myrtle St SD	S Myrtle St SD	S Garden St SD	S Garden St SD	S Brighton CSO/SD	S Brighton CSO/SD
Date			09/12/08	09/12/08	09/12/08	09/12/08	06/03/09	06/03/09	01/15/09	05/21/09
Total solids (%)			67.7	52.4	48.4	62.1	42.9	82	73.2	46.5
TOC (%)			6.89	6.85	5.25	9.40	18.7	11	3.56	6.75
Metals (mg/kg DW)										
Arsenic	57	93	20 U	20 U	12	20 U	40 J	60 J	125	30 J
Copper	390	390	500	1,020	365	386	2,200 J	7,990 J	209	227 J
Lead	450	530	675	67	428	46	1,710 J	2,240 J	121	222 J
Mercury	0.41	0.59	1.88	1.0	0.97	0.74	4.29 J	2.72 J	0.15	0.46 J
Zinc	410	960	2,420	2,900	1,540	1,950	8,960 J	13,300 J	710	959 J
Total petroleum hydrocarbons (mg/kg DW)										
TPH -diesel			1,100	130	4,300	2,800	17,000	5,200	220	570
TPH-oil				760	11,000	10,000	60,000	15,000	920	1,400
LPAH (ug/kg DW)										
Acenaphthene	500	730	190 U	140 U	590 U	280	1,800 J	740 U	66	58 U
Acenaphthylene	1,300	1,300	190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Anthracene	960	4,400	190 U	130 J	590 U	450	3,200	740 U	180	33 J
Fluorene	540	1,000	190 U	100 J	590 U	490	4,600	740 U	70	58 U
Naphthalene	2,100	2,400	190 U	110 J	1,000	970	4,100	740 U	39 U	58 U
Phenanthrene	1,500	5,400	320	800	570 J		16,000	2,100	440	180
Total LPAH	5,200	13,000	320	1,140 J	1,570 J	4,790	29,700 J	2,100	756	213 J
HPAH (ug/kg DW)										
Benzo(a)anthracene	1,300	1,600	290	450	330 J	950	5,100	1,200	260	130
Benzo(a)pyrene	1,600	3,000	580	490	590 U	670	4,000	940	330	130
Benzo(b)fluoranthene	3,200	3,600	680	820	490 J	900	4,100	1,200	440	180
Benzo(g,h,i)perylene	670	720	410	280	590 U	250 J	2,700 U	740 U	180	65
Benzo(k)fluoranthene	3,200	3,600	660	1,000	540 J	870	4,100	1,200	310	180
Chrysene	1,400	2,800	490	1,200	620		7,300		390	200
Dibenzo(a,h)anthracene	230	540	95 J	92 J	590 U	260 U	2,700 U	740 U	25 J	58 U
Fluoranthene	1,700	2,500	770		1,100	3,000	16,000	3,700	780	350
Indeno(1,2,3-c,d)pyrene	600	690	290	220	590 U	170 J	2,700 U	740 U	170	50 J
Pyrene	2,600	3,300	660	1,800	1,100	3,400	15,000	3,200	790	290
Total HPAH	12,000	17,000	4,925 J	8,152 J	4,180 J	11,710 J	55,600		3,675 J	1,575 J
Phthalates (ug/kg DW)										
Bis(2-ethylhexyl)phthalate	1,300	1,900	3,000	47,000	35,000	36,000	210,000	62,000	2,300	1,100
Butylbenzylphthalate	63	900	1,500	2,100	1,900	4,400	12,000	6,000		220
Diethylphthalate	200	1,200	190 U	140 U	590 U	360	2,700 U	740 U	39 U	58 U
Dimethylphthalate	71	160	200	360	590 U	230 J	4,200	1,400	39 U	35 J
Di-n-butylphthalate	1,400	5,100	400	750	1,100	670	2,600 J	2,300	36 J	49 J

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Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	MH100B	RCB146	RCB147	RCB148	MH240	CB207	MH205	MH224
Lab Ref			NO90	NO90	NO90	NO90	PB20	PB20	OI27	OZ99
Type			Inline	RCB	RCB	RCB	Inline	CB	Inline	Inline
Outfall			S Myrtle St SD	S Garden St SD	S Myrtle St SD	S Myrtle St SD	S Garden St SD	S Garden St SD	S Brighton CSO/SD	S Brighton CSO/SD
Date			09/12/08	09/12/08	09/12/08	09/12/08	06/03/09	06/03/09	01/15/09	05/21/09
Di-n-octyl phthalate	6,200	NA	190	1,100	1,500	2,900	23,000	6,000	200	41 J
PCBs (ug/kg DW)										
1016			200 U	200 U	58 U	400 U	420 U	470 U	18 U	20 U
1221			200 U	200 U	58 U	400 U	420 U	470 U	18 U	20 U
1232			200 U	200 U	58 U	400 U	420 U	470 U	18 U	20 U
1242			200 U	200 U	58 U	400 U	17,000	470 U	18 U	20 U
1248			390 Y	860	240	1,600	420 U	7,100	30	20 U
1254			1,200	1,200	360	2,100	6,400	8,600	61	34
1260			350	500	94	400 U	1,600 J	2,600 J	57	39 J
Total PCBs	130 1,000		1,550	2,560	694	3,700	25,000 J	18,300 J		73 J
Other organic compounds (ug/kg DW)										
1,2,4-Trichlorobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
1,2-Dichlorobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	33 J	58 U
1,3-Dichlorobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
1,4-Dichlorobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	29 J	58 U
2,2'-Oxybis(1-chloropropane)			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
2,4,5-Trichlorophenol			940 U	720 U	2,900 U	780 J	13,000 U	3,700 U	200 U	290 U
2,4,6-Trichlorophenol			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
2,4-Dichlorophenol			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
2,4-Dimethylphenol ^a	29	29	190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
2,4-Dinitrophenol			1,900 U	1,400 U	5,900 U	2,600 U	27,000 U	7,400 U	390 U	580 U
2,4-Dinitrotoluene			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
2,6-Dinitrotoluene			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
2-Chloronaphthalene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
2-Chlorophenol			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
2-Methylnaphthalene			190 U	130 J	3,600	1,900	13,000	740 U	20 J	58 U
2-Methylphenol ^a			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
2-Nitroaniline			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
2-Nitrophenol			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
3,3'-Dichlorobenzidine			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
3-Nitroaniline			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
4,6-Dinitro-2-methylphenol			1,900 U	1,400 U	5,900 U	2,600 U	27,000 U	7,400 U	390 U	580 U
4-Bromophenyl-phenylether			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
4-Chloro-3-methylphenol			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
4-Chloroaniline			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
4-Chlorophenyl-phenylether			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
4-Methylphenol ^a	670	670	190 U	140 U	18,000	2,600	2,700 U	740 U	39 U	58 U

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ID	SQS/ LAET ^b	CSL/ 2LAET ^c	MH100B	RCB146	RCB147	RCB148	MH240	CB207	MH205	MH224
Lab Ref Type Outfall			NO90 Inline S Myrtle St SD	NO90 RCB S Garden St SD	NO90 RCB S Myrtle St SD	NO90 RCB S Myrtle St SD	PB20 Inline S Garden St SD	PB20 CB S Garden St SD	OI27 Inline S Brighton CSO/SD	OZ99 Inline S Brighton CSO/SD
Date			09/12/08	09/12/08	09/12/08	09/12/08	06/03/09	06/03/09	01/15/09	05/21/09
4-Nitroaniline			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
4-Nitrophenol			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
Benzoic acid ^a	650	650	1,900 U	1,400 U	5,900 U	2,600 U	27,000 U	7,400 U	390 U	580 U
Benzy alcohol ^a			190 U	140 U	590 U	260 U	2,700 U	740 U	110	58 U
bis(2-Chloroethoxy) methane			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Bis-(2-chloroethyl) ether			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Carbazole			190 U	140	590 U	310	1,500 J	740 U	85	58 U
Dibenzofuran			190 U	140 U	590 U	260 U	2,700 U	740 U	36 J	58 U
Hexachlorobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Hexachlorobutadiene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Hexachlorocyclopentadiene			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
Hexachloroethane			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Isophorone			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Nitrobenzene			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
N-Nitroso-di-n-propylamine			940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
N-Nitrosodiphenylamine			190 U	140 U	590 U	260 U	2,700 U	740 U	39 U	58 U
Pentachlorophenol ^a	360	690	940 U	720 U	2,900 U	1,300 U	13,000 U	3,700 U	200 U	290 U
Phenol ^a	420	1,200	190 U	180 U	850 U	890 U	2,700 U	740 U	28 J	58 U

a. Sediment management standards based on dry weight concentration.

b. Sediment quality standard/lowest apparent effects threshold

c. Cleanup screening level/second lowest apparent effects threshold

Bold = Compound detected in sample.

J Value is an estimate

U Target analyte not detected at the reported concentration

R Analytical result is rejected and cannot be used.

Y Analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. Y fl

Exceeds SQS/LAET
Exceeds CSL/2LAET

RCB = Right-of-way catch basin

CB = Onsite catch basin

CSS = Combined sewer system

Inline = Inline grab sample

Dirt = Street dirt sample

Samples in vicinity of Seattle Iron and Metals (dry weight).

Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	MH225	MH226	CB144	CB145	CB146	CB147	CB148	CB149	CB157-F
Lab Ref			OZ99	OZ99	PA34	PA34	PA34	PA34	PA34	PA34	QW05
Type			Inline	Inline	CB	CB	Dirt	Dirt	Dirt	Dirt	CB
Outfall		S	S Brighton CSO/SD	S Brighton CSO/SD	8th Ave S (no SD)	CSS	CSS	CSS	CSS	8th Ave S (no SD)	S Myrtle St SD
Date			05/21/09	05/26/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/11/10
Total solids (%)			43.2	69.9	40.6	85.3	93.3	98.6	94.7	99.7	67.3
TOC (%)			5.5	5.29	7.06	2.22	1.42	3.59	1.7	1.74	4.59
Metals (mg/kg DW)											
Arsenic	57	93	40 J	58 J	20 J	20 J	8 J	10 J	6 J	10 UJ	40 U
Copper	390	390	335 J	273 J	668 J	87 J	48.7 J	224 J	83.2 J	67.8 J	1,89 J
Lead	450	530	473 J	757 J	1,180 J	1,48 J	71 J	400 J	155 J	52 J	1,26 J
Mercury	0.41	0.59	1.15 J	3.41 J	0.98 J	1.13 J	0.15 J	0.41 J	0.23 J	0.03 J	0.1 J
Zinc	410	960	709 J	905 J	948 J	900 J	97 J	391 J	130 J	201 J	4,94 J
Total petroleum hydrocarbons (mg/kg DW)											
TPH -diesel			21,000	1,100	3,700	760	190	530	400	84	840
TPH-oil			30,000	4,900	4,500	2,100	600	2,400	940	760	5,200
LPAH (ug/kg DW)											
Acenaphthene	500	730	170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Acenaphthylene	1,300	1,300	170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Anthracene	960	4,400	170 U	170 J	260 U	120 U	58 U	110 U	57 U	58 U	130 J
Fluorene	540	1,000	170 U	190 U	160 J	120 U	58 U	110 U	57 U	58 U	220 U
Naphthalene	2,100	2,400	170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	150 J
Phenanthrene	1,500	5,400	170 U	1,200	430	190	160	81 J	94	58 U	900
Total LPAH	5,200	13,000	170 U	1,370 J	590 J	190	160	81 J	94	58 U	1,180 J
HPAH (ug/kg DW)											
Benzo(a)anthracene	1,300	1,600	160 J	960	200 J	180	100	76 J	58	58 U	550 J
Benzo(a)pyrene	1,600	3,000	220	1,200	190 J	190 J	140 J	93 J	81 J	58 U	440
Benzo(b)fluoranthene	3,200	3,600	320	1,000	200 J	200 J	150 J	92 J	66 J	58 U	590
Benzo(g,h,i)perylene	670	720	160 J	860	160 J	140 J	73 J	55 J	36 J	58 U	180 J
Benzo(k)fluoranthene	3,200	3,600	190	1,100	200 J	200 J	95 J	92 J	66 J	58 U	590
Chrysene	1,400	2,800	540	1,500	520	400	160	230	96	83	990
Dibenzo(a,h)anthracene	230	540	170 U	130 J	260 U	120 U	58 U	110 U	57 U	58 U	55 J
Fluoranthene	1,700	2,500	430	2,200	560	450	300	200	140	29 J	1,700
Indeno(1,2,3-c,d)pyrene	600	690	100 J	620	260 U	110 J	67 J	110 U	57 U	58 U	130 J
Pyrene	2,600	3,300	1,700	1,700	750	340	170	140	110	58 U	1,100
Total HPAH	12,000	17,000	3,820 J	11,270 J	2,780 J	2,210 J	1,255 J	978 J	653	112 J	6,325 J
Phthalates (ug/kg DW)											
Bis(2-ethylhexyl)phthalate	1,300	1,900	5,000	1,300	14,000 B	3,400 B	63 U	2,000 B	290 U	360 U	33,00
Butylbenzylphthalate	63	900	170 U	340	2,100		58 U	120	57 U	58 U	5,00
Diethylphthalate	200	1,200	170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Dimethylphthalate	71	160	170 U	190 U	260 U	120 U	58 U	110 U	57 U	35 J	2,50
Di-n-butylphthalate	1,400	5,100	170 U	130 J	420	220	58 U	100 J	57 U	58 U	1,500

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Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	MH225	MH226	CB144	CB145	CB146	CB147	CB148	CB149	CB157-F
Lab Ref			OZ99	OZ99	PA34	PA34	PA34	PA34	PA34	PA34	QW05
Type			Inline	Inline	CB	CB	Dirt	Dirt	Dirt	Dirt	CB
Outfall		S	S Brighton CSO/SD	S Brighton CSO/SD	8th Ave S (no SD)	CSS	CSS	CSS	CSS	8th Ave S (no SD)	S Myrtle St SD
Date			05/21/09	05/26/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/11/10
Di-n-octyl phthalate	6,200	NA	130 J	190 U	850	170	58 U	98 J	57 U	38 J	2,200
PCBs (ug/kg DW)											
1016			20 U	97 U	760 U	1,400 U	19 U	290 U	19 U	19 U	48 U
1221			20 U	97 U	760 U	1,400 U	19 U	290 U	19 U	19 U	48 U
1232			20 U	97 U	760 U	1,400 U	19 U	290 U	19 U	19 U	48 U
1242			20 U	97 U	760 U	1,400 U	19 U	290 U	19 U	19 U	48 U
1248			99 Y	97 U	760 U	1,400 U	19 U	290 U	19 U	19 U	1,300
1254			370	97 U	1,800	3,800	52	590	130	26	1,400
1260			410	350	1,800	3,100	130 J	750	400	34	260
Total PCBs	130 1,000		780	650	3,60	6,900	102 J	1,34	530	60	2,96n
Other organic compounds (ug/kg DW)											
1,2,4-Trichlorobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
1,2-Dichlorobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
1,3-Dichlorobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
1,4-Dichlorobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2,2'-Oxybis(1-chloropropane)			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2,4,5-Trichlorophenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2,4,6-Trichlorophenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2,4-Dichlorophenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2,4-Dimethylphenol ^a	29	29	170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2,4-Dinitrophenol			1,700 U	1,900 U	2,600 U	1,200 U	580 U	1,100 U	570 U	580 U	2,200 U
2,4-Dinitrotoluene			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2,6-Dinitrotoluene			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2-Chloronaphthalene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2-Chlorophenol			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2-Methylnaphthalene			170 U	190 U	180 J	120 U	58 J	110 U	47 J	58 U	150 J
2-Methylphenol ^a			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
2-Nitroaniline			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
2-Nitrophenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	220 U
3,3'-Dichlorobenzidine			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 R	1,100 U
3-Nitroaniline			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 R	1,100 U
4,6-Dinitro-2-methylphenol			1,700 U	1,900 U	2,600 U	1,200 U	580 U	1,100 U	570 U	580 R	2,200 U
4-Bromophenyl-phenylether			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
4-Chloro-3-methylphenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
4-Chloroaniline			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 R	1,100 U
4-Chlorophenyl-phenylether			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
4-Methylphenol ^a	670	670	170 U	190 U	2,300	92 J	58 U	110 U	57 U	58 U	330

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Lab Ref Type Outfall			OZ99 Inline S S Brighton CSO/SD	OZ99 Inline S Brighton CSO/SD	PA34 CB 8th Ave S (no SD)	PA34 CB CSS	PA34 Dirt CSS	PA34 Dirt CSS	PA34 Dirt CSS	PA34 Dirt 8th Ave S (no SD)	QW05 CB S Myrtle St SD
Date			05/21/09	05/26/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/27/09	05/11/10
4-Nitroaniline			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
4-Nitrophenol			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 R	1,100 U
Benzoic acid ^a	650	650	1,700 U	1,900 U	2,600 U	1,200 U	580 U	1,100 U	570 U	580 R	870 J
Benzyl alcohol ^a			170 U	190 U	510	120 U	58 U	110 U	57 U	58 U	220 U
bis(2-Chloroethoxy) methane			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Bis-(2-chloroethyl) ether			170 U	190 U	280 U	120 U	58 U	110 U	57 U	58 U	220 U
Carbazole			170 U	110 J	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Dibenzofuran			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Hexachlorobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Hexachlorobutadiene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Hexachlorocyclopentadiene			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
Hexachloroethane			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Isophorone			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Nitrobenzene			170 U	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
N-Nitroso-dl-n-propylamine			830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 U	1,100 U
N-Nitrosodiphenylamine			660 Y	190 U	260 U	120 U	58 U	110 U	57 U	58 U	220 U
Pentachlorophenol ^a	360	690	830 U	970 U	1,300 U	620 U	290 U	530 U	280 U	290 R	1,100 U
Phenol ^a	420	1,200	170 U	190 U	210 J	120 U	58 U	110 U	57 U	58 U	420

flag is equivalent to U flag with a raised reporting limit.

Samples in vicinity of Seattle Iron and Metals (dry weight).

Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	CB157S	RD1	RD2	RCB189F
Lab Ref			QW05	QW05	QW05	QW05
Type			CB	Roof drain	Roof drain	SD
Outfall			S S Myrtle St	S Myrtle St	S Myrtle St	S Myrtle St
Date			SD	SD	SD	SD
			05/11/10	05/11/10	05/11/10	5/11/10
Total solids (%)			46.2	49.2	29.6	65.9
TOC (%)			6.7	10.1	8.37	4.85
Metals (mg/kg DW)						
Arsenic	57	93	30 U	20 U	40 U	20 U
Copper	390	390	2,240	1,090	975	3,280
Lead	450	530	1,380	1,410	1,700	904
Mercury	0.41	0.59	1.55	0.92	2.56	0.66
Zinc	410	960	5,880	5,370	8,310	3,890
Total petroleum hydrocarbons (mg/kg DW)						
TPH -diesel			970	210	190	1,800
TPH-oil			8,200	2,000	1,700	3,500
LPAH (ug/kg DW)						
Acenaphthene	500	730	250 U	88 U	150 U	330 U
Acenaphthylene	1,300	1,300	250 U	88 U	150 U	330 U
Anthracene	960	4,400	200 J	88 U	190	200 J
Fluorene	540	1,000	250 U	88 U	86 J	240 J
Naphthalene	2,100	2,400	210 J	66 J	130 J	470
Phenanthrene	1,500	5,400	880	640	1,100	1,600
Total LPAH	5,200	13,000	1,290 J	706 J	1,506 J	2,510 J
HPAH (ug/kg DW)						
Benzo(a)anthracene	1,300	1,600	800 J	440	720	610 J
Benzo(a)pyrene	1,600	3,000	580	670	1,000	520
Benzo(b)fluoranthene	3,200	3,600	890	700	1,500	610
Benzo(g,h,i)perylene	670	720	270	290	440	220 J
Benzo(k)fluoranthene	3,200	3,600	890	700	1,500	610
Chrysene	1,400	2,800	1,600	1,400	1,300	1,300
Dibenzo(a,h)anthracene	230	540	250 U	70 J	120 J	330 U
Fluoranthene	1,700	2,500	2,400	1,400	2,600	2,200
Indeno(1,2,3-c,d)pyrene	600	690	200 J	170	360	330 U
Pyrene	2,600	3,300	1,500	910	1,400	1,700
Total HPAH	12,000	17,000	9,130 J	6,750 J	10,940 J	7,770 J
Phthalates (ug/kg DW)						
Bis(2-ethylhexyl)phthalate	1,300	1,900	41,000	11,000	12,000	34,000
Butylbenzylphthalate	63	900	4,300	2,200	4,600	6,200
Diethylphthalate	200	1,200	250 U	88 U	150 U	330 U
Dlmethylphthalate	71	160	620	510	1,100	870
Di-n-butylphthalate	1,400	5,100	1,200	670	3,200	3,200

Samples in vicinity of Seattle Iron and Metals (dry weight).

Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	CB157S	RD1	RD2	RCB189F
Lab Ref			QW05	QW05	QW05	QW05
Type			CB	Roof drain	Roof drain	SD
Outfall			S S Myrtle St	S Myrtle St	S Myrtle St	S Myrtle St
Date			SD 05/11/10	SD 05/11/10	SD 05/11/10	SD 5/11/10
Di-n-octyl phthalate	6,200	NA	3,400	920	970	3,500
PCBs (ug/kg DW)						
1016			60 U	40 U	66 U	34 U
1221			60 U	40 U	66 U	34 U
1232			60 U	40 U	66 U	34 U
1242			60 U	40 U	66 U	34 U
1248			1,400	570	1,800	1,300
1254			2,200	1,100	2,200	1,400
1260			420	260	570	250
Total PCBs	130 1,000		4,020	1,930	4,570	1,650
Other organic compounds (ug/kg DW)						
1,2,4-Trichlorobenzene			250 U	88 U	150 U	330 U
1,2-Dichlorobenzene			250 U	88 U	150 U	330 U
1,3-Dichlorobenzene			250 U	88 U	150 U	330 U
1,4-Dichlorobenzene			250 U	88 U	150 U	330 U
2,2'-Oxybis(1-chloropropane)			250 U	88 U	150 U	330 U
2,4,5-Trichlorophenol			1,200 U	440 U	730 U	1,600 U
2,4,6-Trichlorophenol			1,200 U	440 U	730 U	1,600 U
2,4-Dichlorophenol			1,200 U	440 U	730 U	1,600 U
2,4-Dimethylphenol ^a	29	29	250 U	88 U	150 U	330 U
2,4-Dinitrophenol			2,500 U	880 U	1,500 U	3,300 U
2,4-Dinitrotoluene			1,200 U	440 U	730 U	1,600 U
2,6-Dinitrotoluene			1,200 U	440 U	730 U	1,600 U
2-Chloronaphthalene			250 U	88 U	150 U	330 U
2-Chlorophenol			250 U	88 U	150 U	330 U
2-Methylnaphthalene			250	64 J	170	980
2-Methylphenol ^a			250 U	88 U	150 U	330 U
2-Nitroaniline			1,200 U	440 U	730 U	1,600 U
2-Nitrophenol			250 U	88 U	150 U	330 U
3,3'-Dichlorobenzidine			1,200 U	440 U	730 U	1,600 U
3-Nitroaniline			1,200 U	440 U	730 U	1,600 U
4,6-Dinitro-2-methylphenol			2,500 U	880 U	1,500 U	3,300 U
4-Bromophenyl-phenylether			250 U	88 U	150 U	330 U
4-Chloro-3-methylphenol			1,200 U	440 U	730 U	1,600 U
4-Chloroaniline			1,200 U	440 U	730 U	1,600 U
4-Chlorophenyl-phenylether			250 U	88 U	150 U	330 U
4-Methylphenol ^a	670	670	7,800	88 U	150 U	330 U

Samples in vicinity of Seattle Iron and Metals (dry weight).

Sample ID	SQS/ LAET ^b	CSL/ 2LAET ^c	CB157S	RD1	RD2	RCB189F
Lab Ref			QW05	QW05	QW05	QW05
Type			CB	Roof drain	Roof drain	SD
Outfall			S S Myrtle St	S Myrtle St	S Myrtle St	S Myrtle St
Date			SD	SD	SD	SD
Date			05/11/10	05/11/10	05/11/10	5/11/10
4-Nitroaniline			1,200 U	440 U	730 U	1,600 U
4-Nitrophenol			1,200 U	440 U	730 U	1,600 U
Benzoic acid ^a	650	650	1,100 J	590 J	1,500 U	3,300 U
Benzyl alcohol ^a			250 U	88 U	150 U	440
bis(2-Chloroethoxy) methane			250 U	88 U	150 U	330 U
Bis-(2-chloroethyl) ether			250 U	88 U	150 U	330 U
Carbazole			250 U	120	200	190 J
Dibenzofuran			250 U	88 U	150 U	330 U
Hexachlorobenzene			250 U	88 U	150 U	330 U
Hexachlorobutadiene			250 U	88 U	150 U	330 U
Hexachlorocyclopentadiene			1,200 U	440 U	730 U	1,600 U
Hexachloroethane			250 U	88 U	150 U	330 U
Isophorone			250 U	88 U	150 U	330 U
Nitrobenzene			250 U	88 U	150 U	330 U
N-Nitroso-di-n-propylamine			1,200 U	440 U	730 U	1,600 U
N-Nitrosodiphenylamine			250 U	88 U	150 U	330 U
Pentachlorophenol ^a	360	690	1,200 U	440 U	730 U	1,600 U
Phenol ^a	420	1,200	1,300	240	320	330 U

B	Analyte detected in an associated Method Blank at a concentration greater than 0.5 the reporting limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample
J	Value is an estimate
M	Estimated value for an analyte detected and confirmed by the analyst, but with low spectral match parameters. This flag used only for GC-MS analyses.
P	Analyte detected on both chromatographic columns, but the quantified values differ by $\geq 40\%$ RPD with no obvious chromatographic interference.
U	Target analyte not detected at the reported concentration
Y	Analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. Y flag is equivalent to U flag with a raised reporting limit.
UJ	Analyte is not detected at the reporting limit and the reporting limit is an estimated value
R	Analytical result is rejected and cannot be used.
NJ	Detection of the analyte is not confirmed and the reported value is an estimate.